

SUB E6  
D1

at 25 °C and one atmosphere absolute pressure, and wherein the hydrogen is less than about 80 % by volume of the non-condensable component at 25 °C and one atmosphere absolute pressure.

SUB E6  
D2

2151. (amended) The method of claim 2150, further comprising controlling a pressure within at least a majority of the first or the second section of the formation, wherein the controlled pressure is at least about 2.0 bar absolute.

SUB E6  
D3

2155. (amended) The method of claim 2156, further comprising:  
providing hydrogen (H<sub>2</sub>) to the first or the second section to hydrogenate hydrocarbons within the first or the second section; and  
heating a portion of the first or the second section with heat from hydrogenation.

SUB E6  
D4

5398. (amended) A method of treating a hydrocarbon containing formation in situ, comprising:  
heating a first section of the formation to produce a mixture from the formation;  
heating a second section of the formation;  
controlling a pressure and a temperature within at least a majority of the first or the second section of the formation, wherein the pressure is controlled as a function of temperature, or the temperature is controlled as a function of pressure; and  
introducing a portion of the produced mixture from the first section into the second section of the formation to provide a reducing environment within the second section of the formation.

#### Discussion

##### A. Pending Claims

Claims 2117-2124, 2126-2162, 2164-2192, and 5396-5402 are currently pending. Claims 2178, 2181, 2185, and 5398 are amended. The amendments to the claims clarify the claims and/or correct typographical errors.